

Creating A Cleaner Energy Future For the Commonwealth



Bidder's Webinar

Program Opportunity Notice Massachusetts Pathways to Zero Grant Program

PON-ENE-2014-034

DOER and Massachusetts ZNEB Efforts

- **Massachusetts Department of Energy Resources (DOER)**
 - Develops and implements policies and programs aimed at ensuring the adequacy, security, diversity, and cost-effectiveness of the Commonwealth's energy supply within the context of creating a cleaner energy future.
- **Massachusetts Efforts on Zero Net Energy Buildings**
 - March 2008, Governor Patrick issued a challenge to put MA on a path toward ZNEB.
 - Governor's ZNEB Task Force – *Getting to Zero*
- **Massachusetts Leading by Example Program**



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Pathways to Zero Program

1. Project-based feasibility, design, and construction funding for ZNEB projects
 - \$2.5 million available under this PON
2. Public awareness campaigns, workforce development trainings, and efforts to develop and standardize best practices related to ZNEBs.
 - These efforts are being funded separately and are not part of this PON.



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Webinar Outline

- 1) Background of DOER and Massachusetts ZNEB Efforts
- 2) Pathways to Zero Program
- 3) Procurement Calendar
- 4) PON Questions & Answers
- 5) ZNEB Definition
- 6) Grant Sectors
 - 1) Single Family Residential
 - 2) Multi-Family Residential
 - 3) Commercial and Institutional
- 7) Feasibility Study / Integrated Design
- 8) Grant Schedule
- 9) Submission Requirements
- 10) Selected Evaluation Criteria
- 11) Reporting Requirements
- 12) Questions and Answers – please submit in writing in the questions box



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Procurement Calendar

Issue PON (DOER)	May 8, 2014
Bidders Conference Call (DOER and bidders)	May 27, 2014 at 11:00 a.m.
Deadline to Submit Questions (bidders)	June 3, 2014
Answers to Questions Posted on DOER website (DOER)	June 10, 2014
Amendment Deadline (DOER)	June 16, 2014
PON Responses Submission Deadline	July 15, 2014



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PON Questions & Answers

- During the webinar please submit any questions in the webinar “Questions” box
- At the end of the presentation, DOER will answer questions
- After the webinar, submit all questions via email to ZNEB@state.ma.us
- All questions (from webinar and email) will be answered in writing and posted on the DOER grants page on June 10
- Check for amendments on COMMBUYS



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ZNEB Definition

- “A zero net energy building (ZNEB) is one that is optimally efficient, and over the course of a year, generates energy onsite, using clean renewable resources, in a quantity equal to or greater than the total amount of energy consumed onsite.”
- “Optimally efficient”
 - No minimum energy performance metric
 - Lower EUI relative to building type will be valued higher
- “Generates energy onsite”
 - Means that renewable energy generating units located within the boundary of the site, adjacent to, and providing power to, the building
- “Clean, renewable resources”
 - refers to renewable sources that are RPS Class I or II eligible technologies. Projects that sell RECs are eligible for funding.



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Grant Sectors

- Both new and existing buildings
- DOER encourages the following projects:
 - Located in Gateway Cities
 - Multi-family developments
 - Affordable housing projects
 - State or municipal public projects, and
 - Brownfield or infill redevelopment projects
- Funding is for projects overall, not specific project elements



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Grant Sector – Single Family Res.

- Construction grant available:
 - Up to \$10,000 / unit for up to 4 housing units
- Adder for non-energy monitoring:
 - Up to \$2,000 / housing unit
- Must meet ZNEB Definition
- Must submit a HERS Score & report for each unit



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Grant Sector – Multi Family Res.

- Multi-family projects are considered residential
- Construction Grant available:
 - Up to \$10,000 / unit for up to 4 housing units
 - Up to \$6,000 / unit for 5-50 units
 - Up to \$4,000 / unit for over 50 units
- Adder for non-energy monitoring:
 - Up to \$2,000 / housing unit
- Must submit a HERS score & report for each unit
- Must meet ZNEB Definition



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Grant Sector – Commercial

- Open to commercial and institutional projects
- Construction grant available:
 - Up to \$500,000
- Commitment to LEED Silver certification
- Commercial and institutional projects must demonstrate that applicant has made all efforts and reviewed all options to meet the ZNEB definition, but can receive funding if not achieved



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Feasibility Study / Integrated Design

- Multi-family and Commercial projects
 - Funds to be used for specific project and site
- Feasibility Study
 - Up to \$30,000
- Integrated Design Services
 - Up to \$50,000
- Projects may not apply for both feasibility and design funds
- Provide as much detail as possible in proposal



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Grant Schedule

- Applications Due: July 15, 2014 3:00pm
- Awards will be made Summer/Fall 2014
- Projects receiving funding for construction must begin construction by December 31, 2015
- Feasibility Study projects must complete study by April 30, 2015
- Integrated Design funding projects must complete design phase by October 31, 2015



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Submission Requirements

- Transmittal Letter (1 page)
- Executive Summary (2 pages)
- Narrative Section (20 pages maximum)
 1. Applicant Qualifications and Experience
 2. ZNEB Project Details
 3. Energy Performance Metrics
 4. Monitoring, Measurement, Verification, and Post-Occupancy Training
 5. Replicability
 6. Project Management Plan
 7. Project Budget
- Feasibility and Design Grants
 - Address as many above requirements as possible
- Submit Five (5) hard copies and one digital copy



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Selected Evaluation Criteria

- DOER may prioritize certain projects types
- Previous ZNEB experience & qualifications
- Location of renewable energy source
- Lower EUI and GHG emissions ranked higher
- Detailed M&V process with DOER reporting
- Impact on Massachusetts ZNEB market, replicability, visibility
- Shovel-readiness, schedule, thorough PM plan
- Financial feasibility, affordability, other funds being leveraged



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Reporting Requirements

- Contract Reporting
 - Deliver regular project status updates to DOER during studies, design and construction
- Post construction reporting
 - Provide ongoing Building energy performance data for 3 years, reported to DOER quarterly
 - For residential that seek \$2,000/unit Non-Energy performance, data must be reported on same quarterly schedule



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